

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040284.D
 Acq On : 16 Feb 2024 17:25
 Operator : JC/MD
 Sample : P1507-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20240215

Quant Time: Feb 17 01:39:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

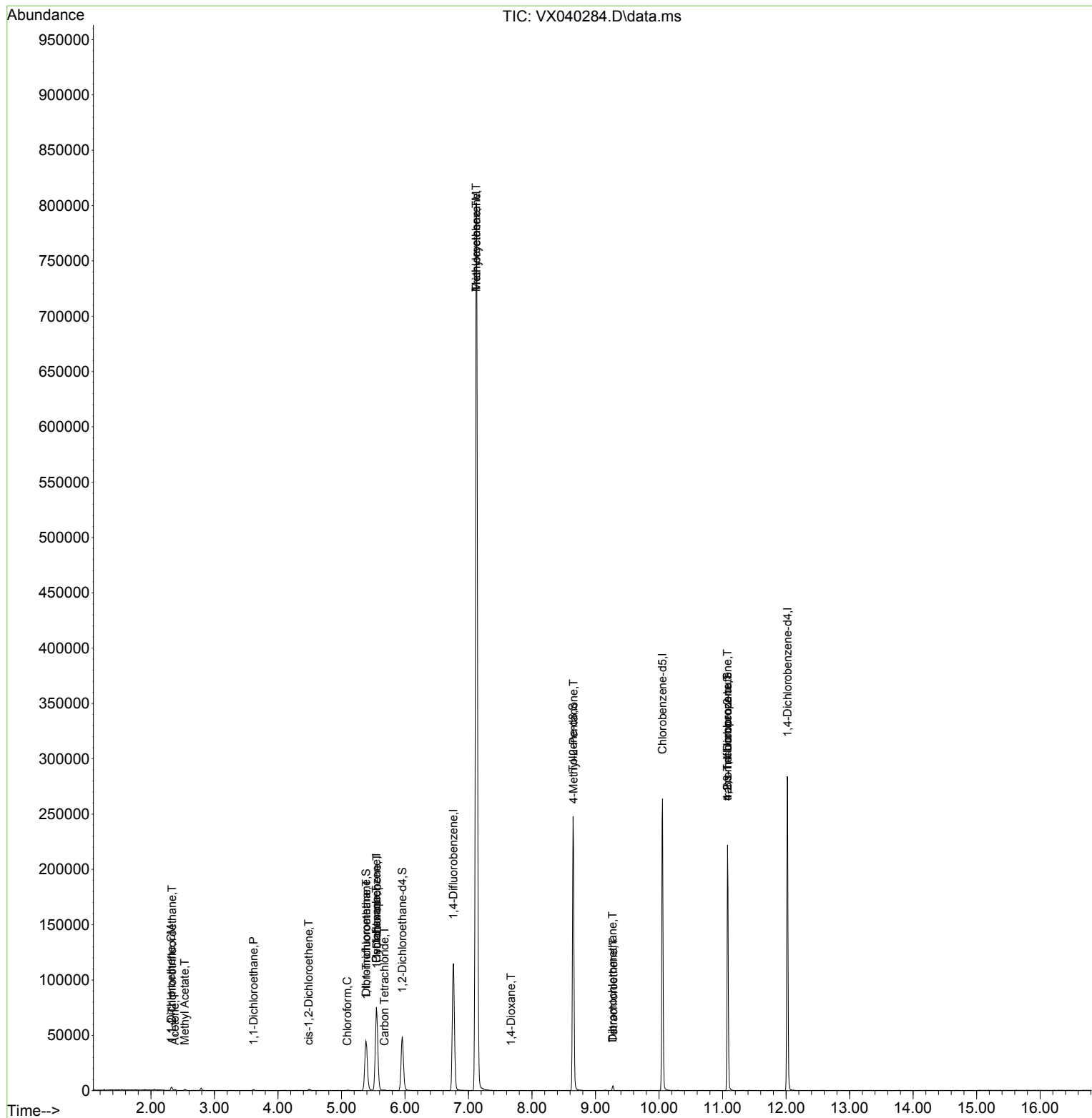
Internal Standards						
1) Pentafluorobenzene	5.550	168	68470	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	117600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47040	46.180	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.360%
35) Dibromofluoromethane	5.385	113	38453	46.822	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.640%
50) Toluene-d8	8.647	98	146121	47.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.120%
62) 4-Bromofluorobenzene	11.079	95	58433	46.638	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.280%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	604	0.832	ug/l	# 69
12) 1,1-Dichloroethene	2.319	96	659	0.943	ug/l	98
16) Acetone	2.373	43	881	2.106	ug/l	93
18) Methyl Acetate	2.532	43	393	0.350	ug/l	# 53
20) Methylene Chloride	2.794	84	905	Below Cal	#	73
24) 1,1-Dichloroethane	3.617	63	1005	0.701	ug/l	# 83
27) cis-1,2-Dichloroethene	4.483	96	556	0.612	ug/l	90
30) Chloroform	5.093	83	513	0.331	ug/l	# 76
31) Cyclohexane	5.550	56	1606	1.322	ug/l	# 1
32) 1,1,1-Trichloroethane	5.391	97	293	0.225	ug/l	# 49
36) 1,1-Dichloropropene	5.556	75	5819	5.058	ug/l	# 50
38) Carbon Tetrachloride	5.678	117	267	0.244	ug/l	# 53
39) Methylcyclohexane	7.123	83	3743	2.800	ug/l	# 1
44) Trichloroethene	7.123	130	303954	342.513	ug/l	98
49) 1,4-Dioxane	7.671	88	144	6.474	ug/l	# 33
51) 4-Methyl-2-Pentanone	8.653	43	800	0.586	ug/l	# 1
60) Dibromochloromethane	9.269	129	799	0.873	ug/l	# 11
64) Tetrachloroethene	9.281	164	959	1.162	ug/l	# 58
76) 1,2,3-Trichloropropane	11.079	75	30531	25.003	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	30531	68.776	ug/l	# 5

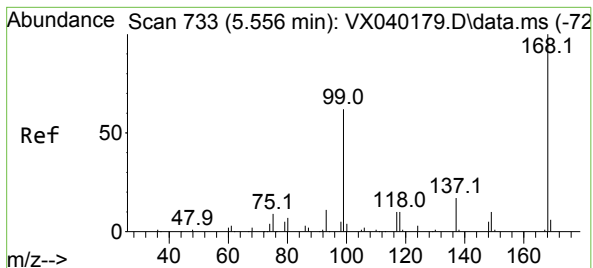
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

Instrument :

MSVOA_X

ClientSampleId :

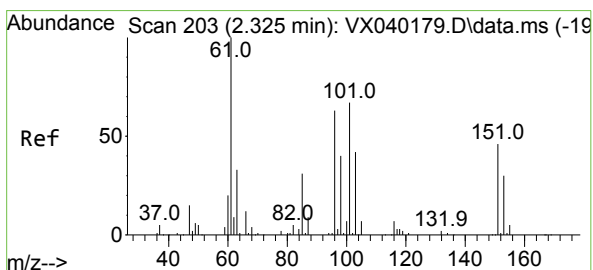
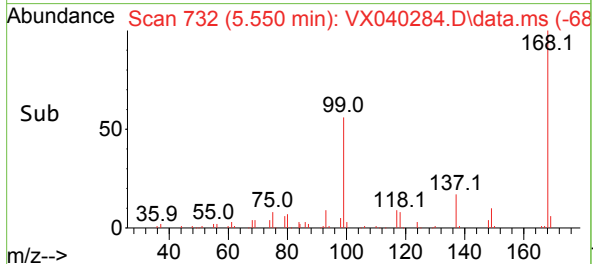
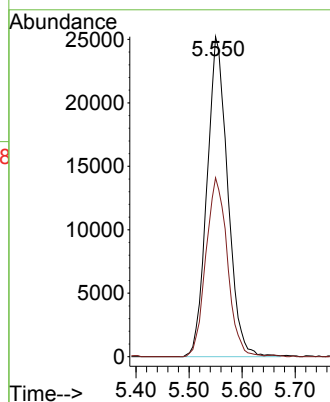
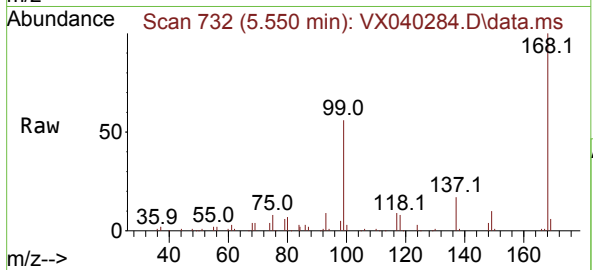
RE126D2-20240215

Tgt Ion:168 Resp: 68470

Ion Ratio Lower Upper

168 100

99 55.9 56.6 85.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.832 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

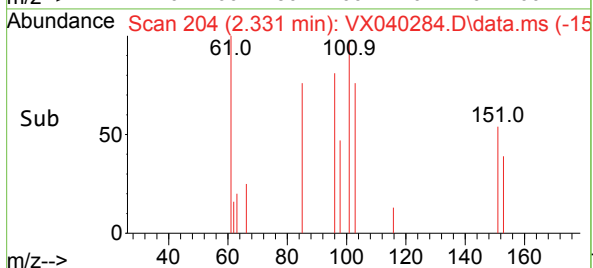
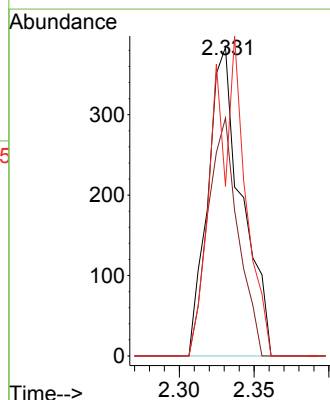
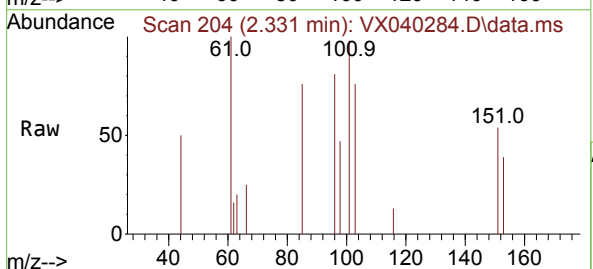
Tgt Ion:101 Resp: 604

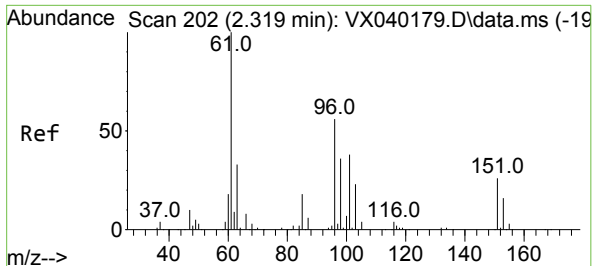
Ion Ratio Lower Upper

101 100

85 68.9 37.0 55.6#

151 97.8 58.6 87.8#





#12

1,1-Dichloroethene

Concen: 0.943 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20240215

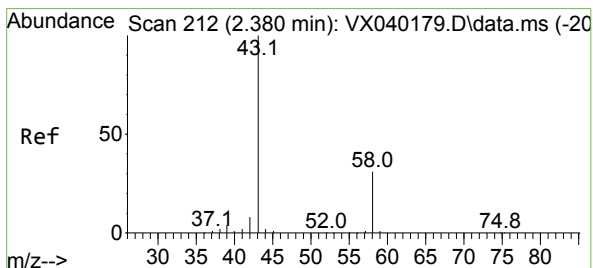
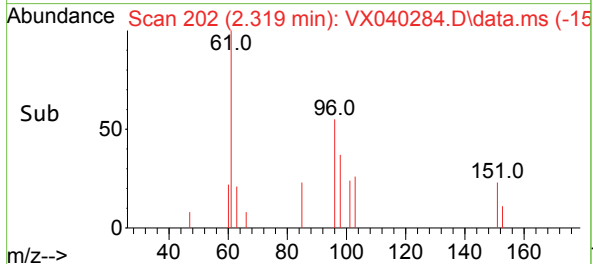
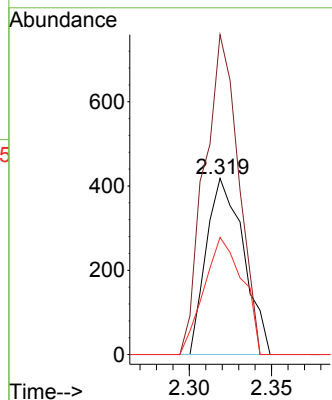
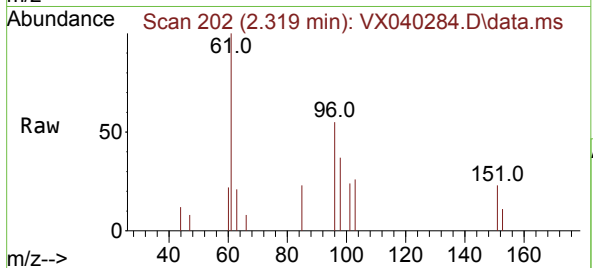
Tgt Ion: 96 Resp: 659

Ion Ratio Lower Upper

96 100

61 181.6 144.6 216.8

98 66.5 50.4 75.6



#16

Acetone

Concen: 2.106 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX040284.D

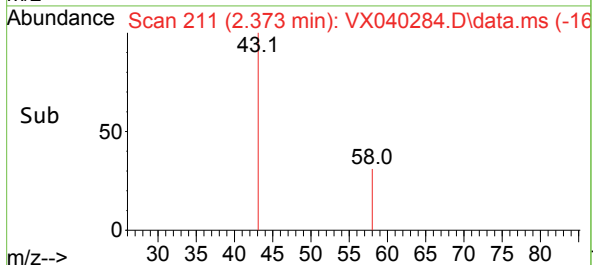
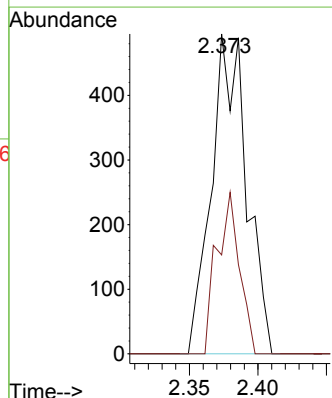
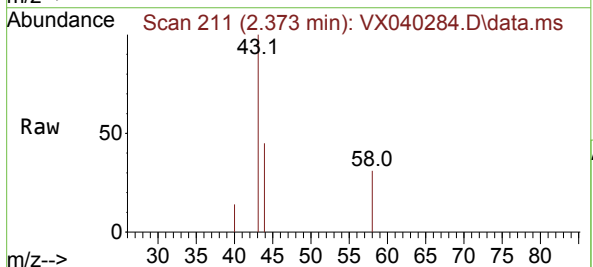
Acq: 16 Feb 2024 17:25

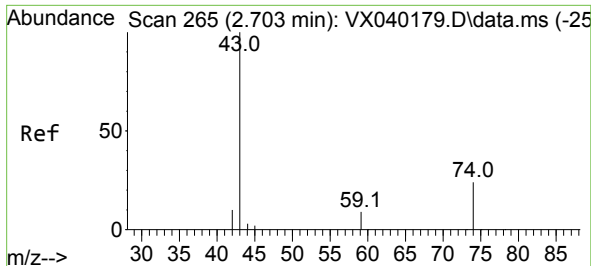
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

58 30.9 21.9 32.9

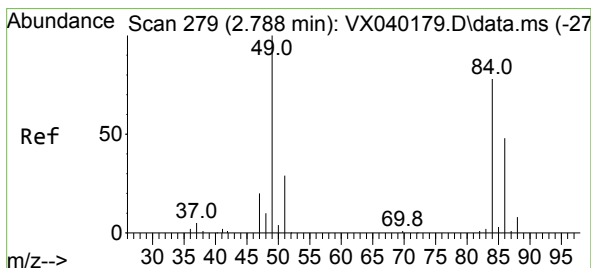
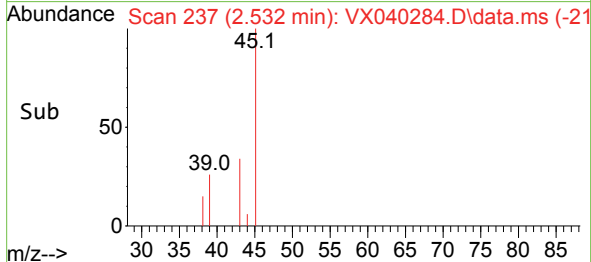
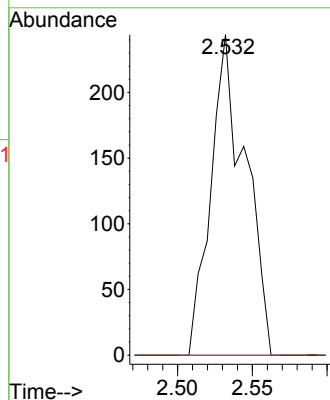
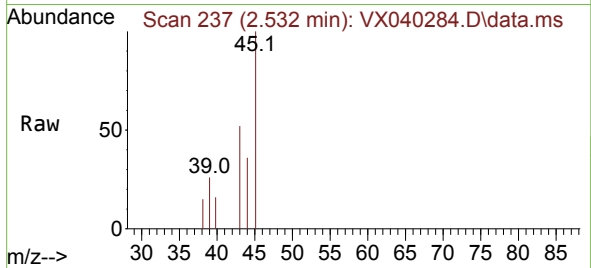




#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.171 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

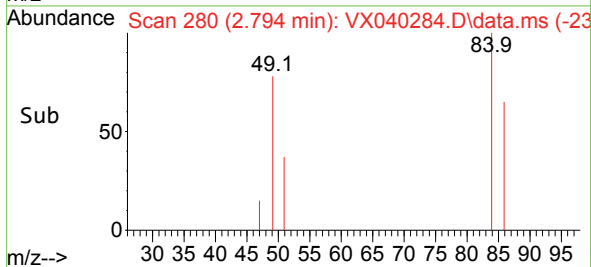
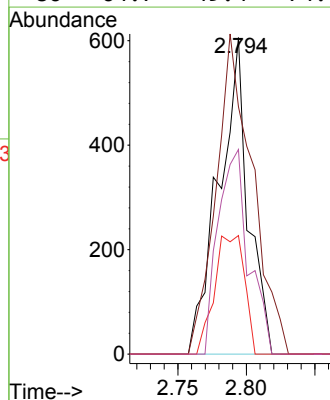
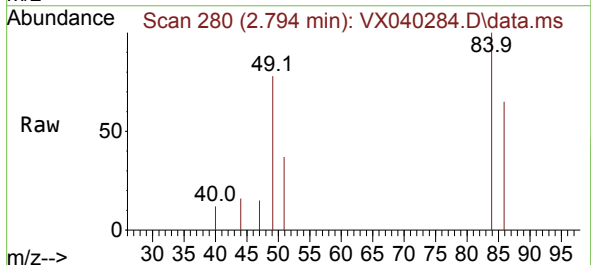
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

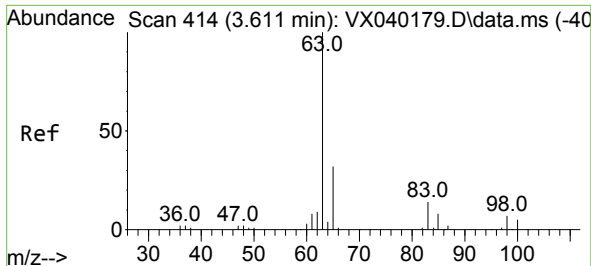
Tgt Ion: 43 Resp: 393
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 84 Resp: 905
Ion Ratio Lower Upper
84 100
49 78.2 103.6 155.4#
51 37.5 33.8 50.6
86 64.7 49.4 74.0





#24

1,1-Dichloroethane

Concen: 0.701 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20240215

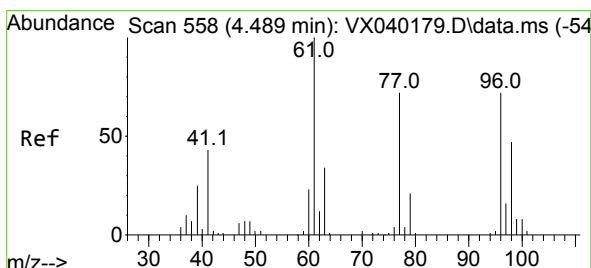
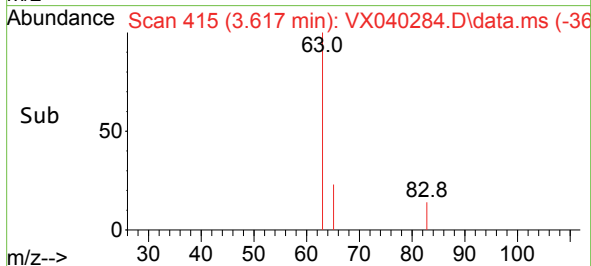
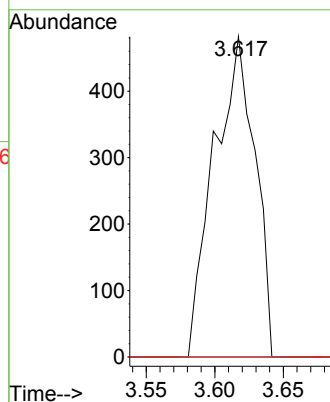
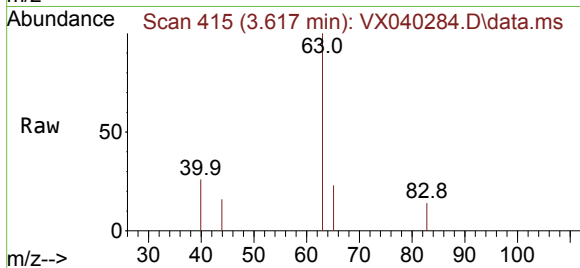
Tgt Ion: 63 Resp: 1005

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



#27

cis-1,2-Dichloroethene

Concen: 0.612 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

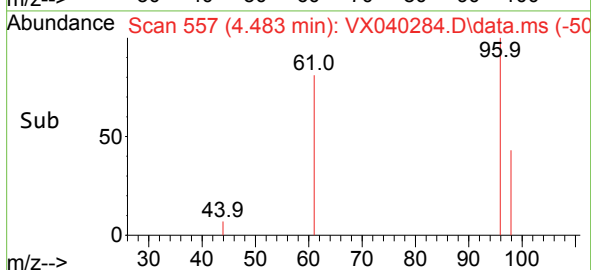
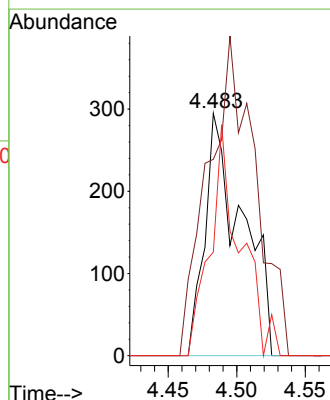
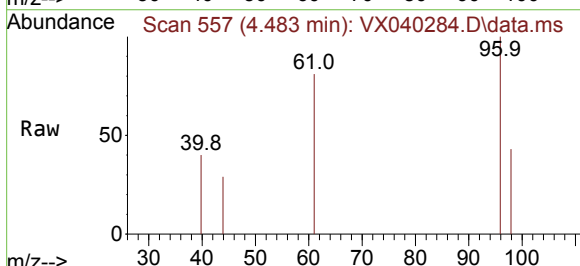
Tgt Ion: 96 Resp: 556

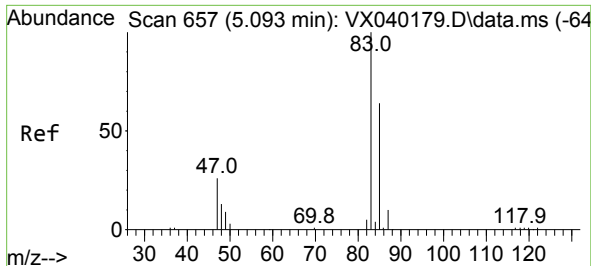
Ion Ratio Lower Upper

96 100

61 166.2 0.0 312.2

98 77.0 0.0 129.0

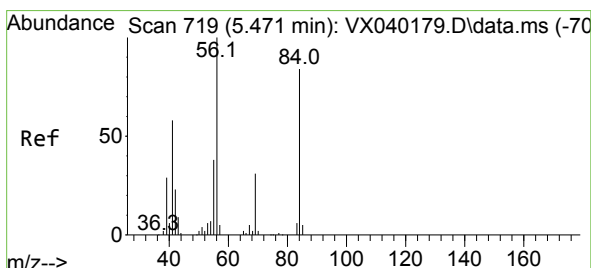
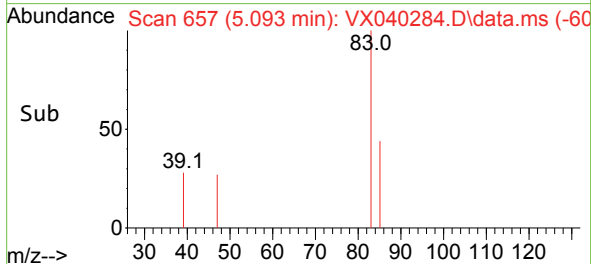
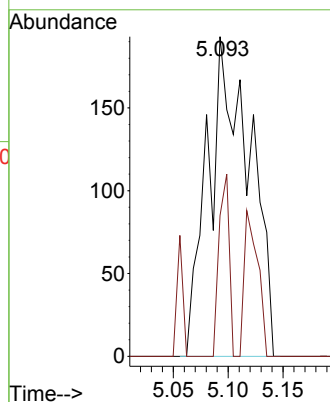
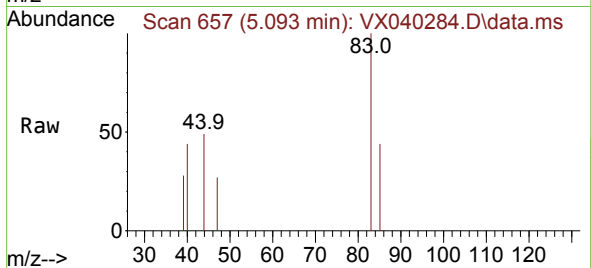




#30
Chloroform
Concen: 0.331 ug/l
RT: 5.093 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

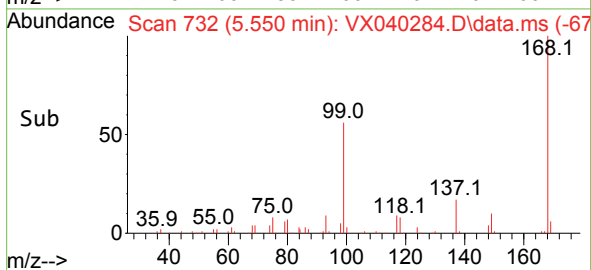
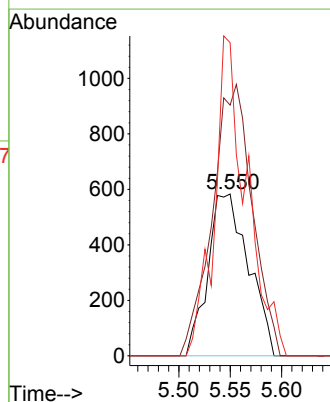
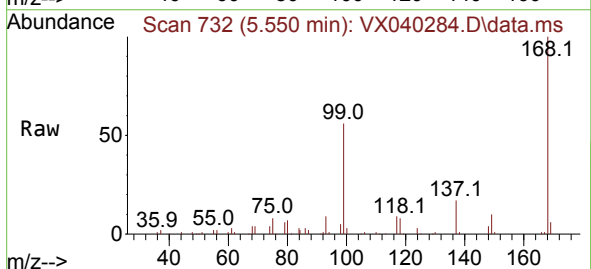
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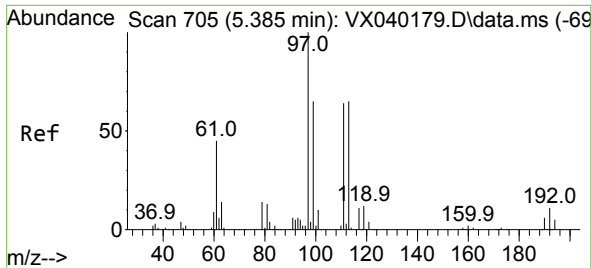
Tgt Ion: 83 Resp: 513
Ion Ratio Lower Upper
83 100
85 44.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 56 Resp: 1606
Ion Ratio Lower Upper
56 100
69 155.1 23.4 35.2#
84 193.7 65.9 98.9#

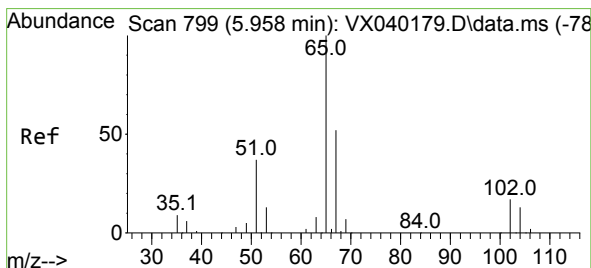
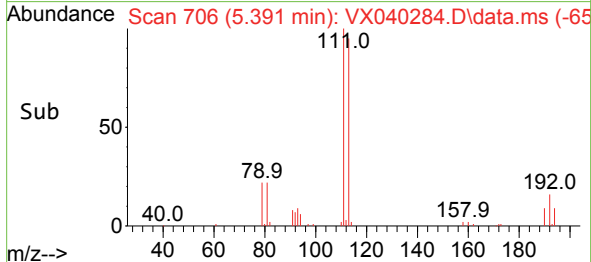
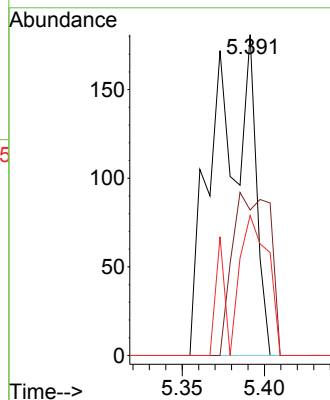
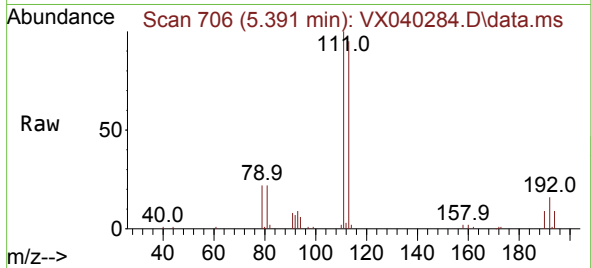




#32
1,1,1-Trichloroethane
Concen: 0.225 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

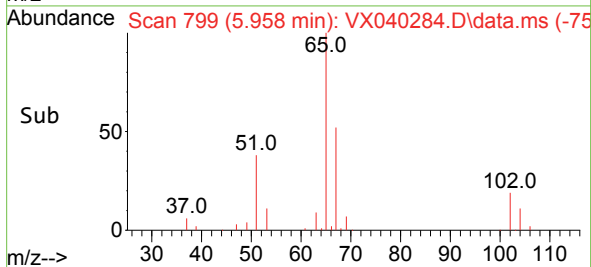
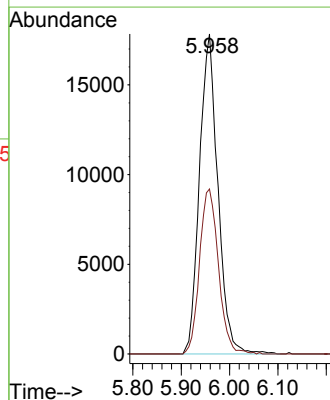
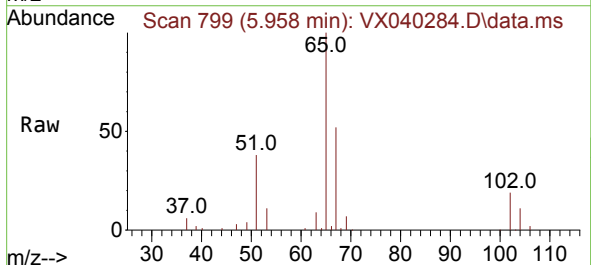
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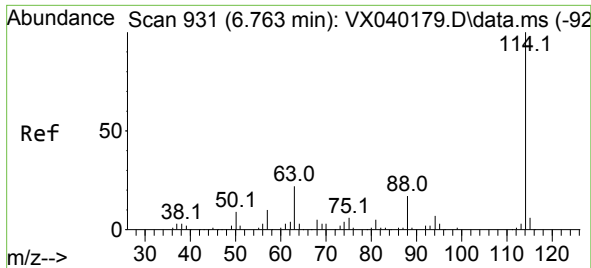
Tgt Ion: 97 Resp: 293
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 40.3 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 46.180 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 65 Resp: 47040
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

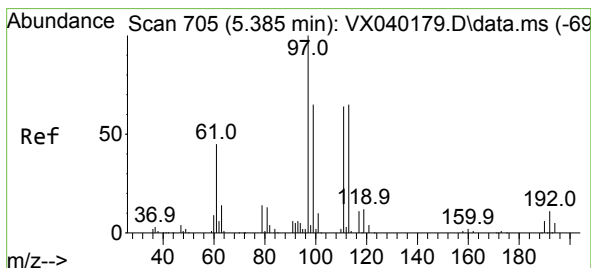
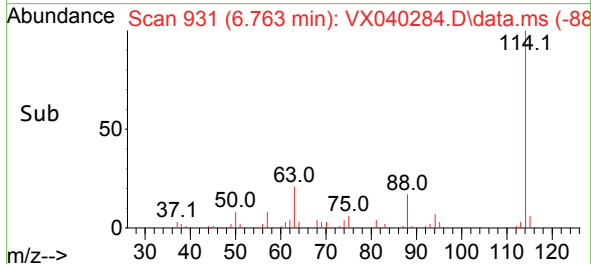
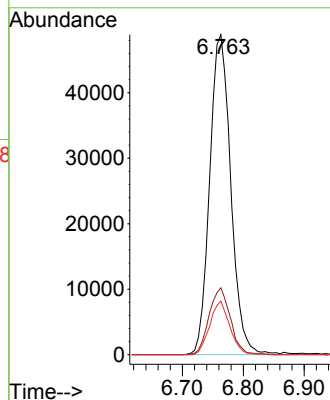
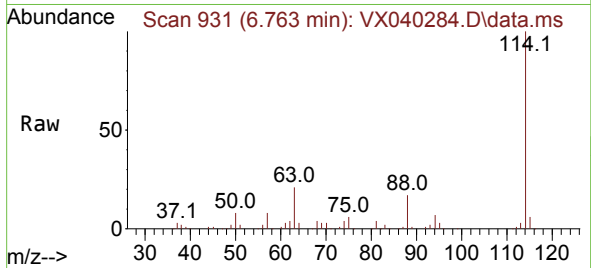




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

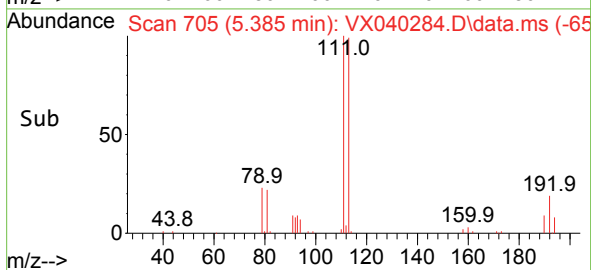
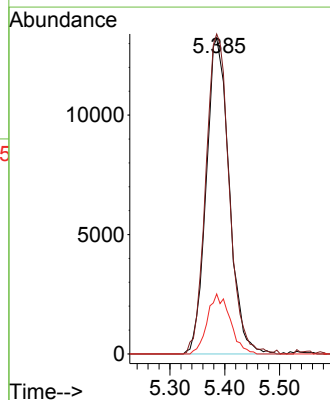
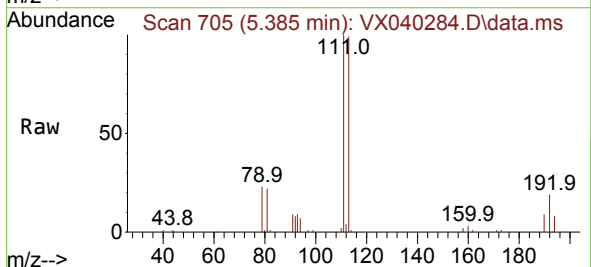
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ClientSampleId :
RE126D2-20240215

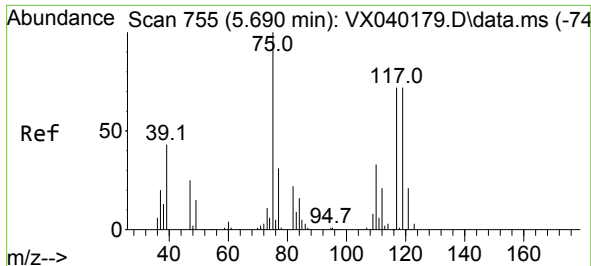
Tgt Ion:114 Resp: 117600
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.822 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion:113 Resp: 38453
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.9 13.3 19.9

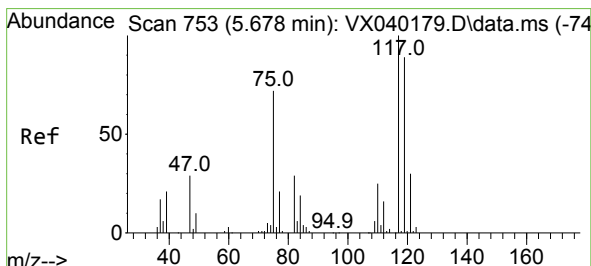
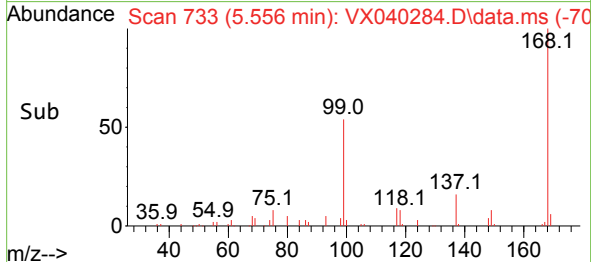
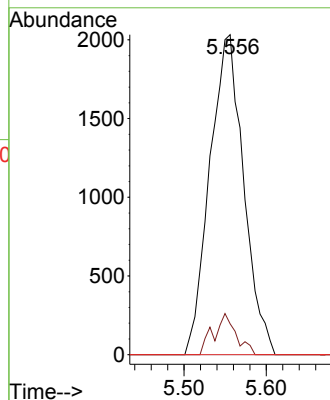
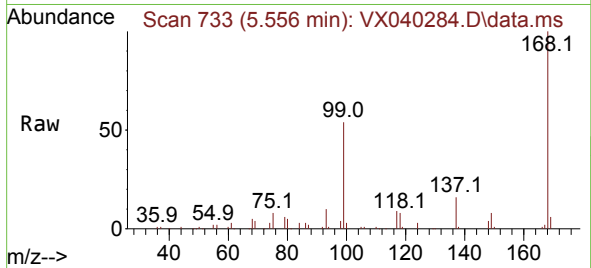




#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

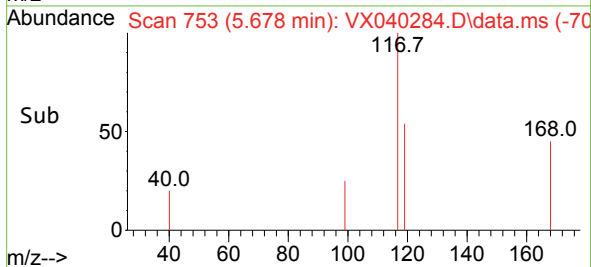
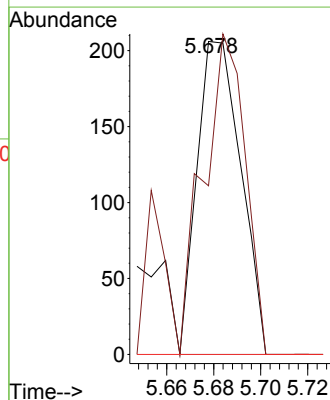
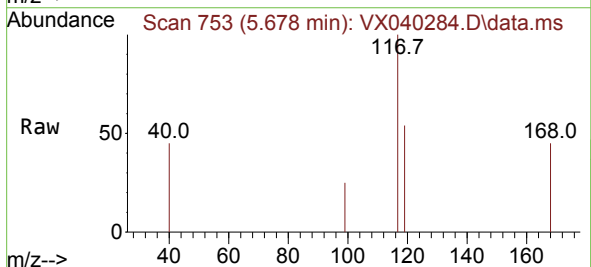
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

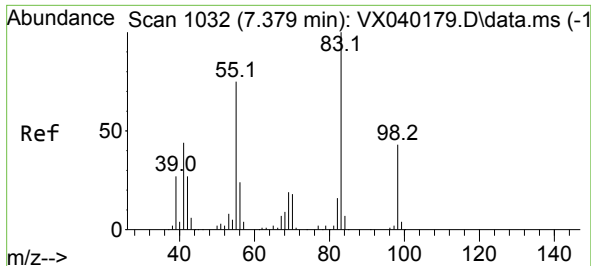
Tgt Ion: 75 Resp: 5819
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.244 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 117 Resp: 267
Ion Ratio Lower Upper
117 100
119 53.9 78.2 117.2#
121 0.0 24.4 36.6#

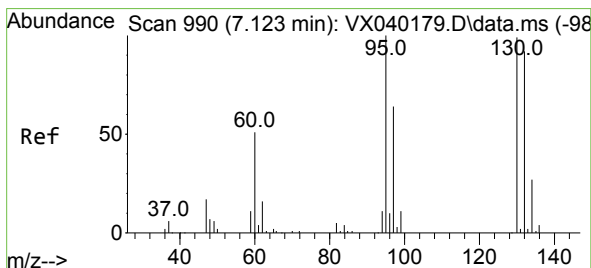
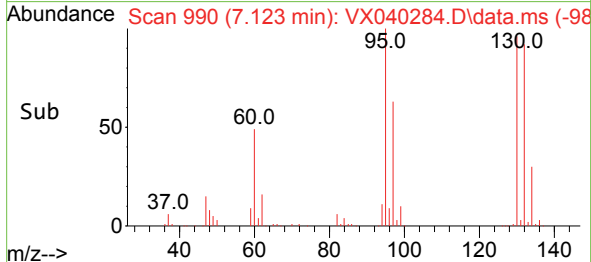
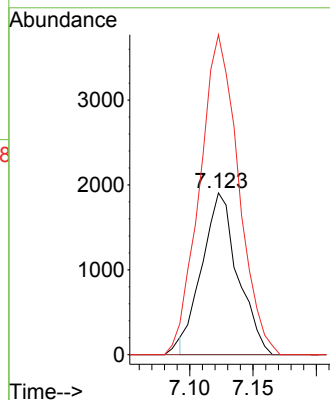
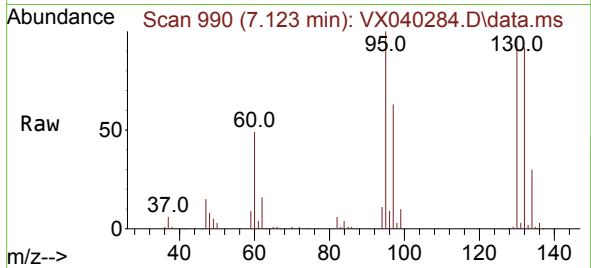




#39
Methylcyclohexane
Concen: 2.800 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

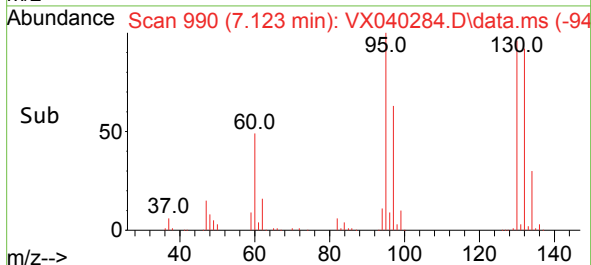
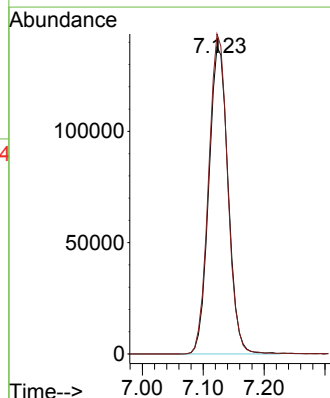
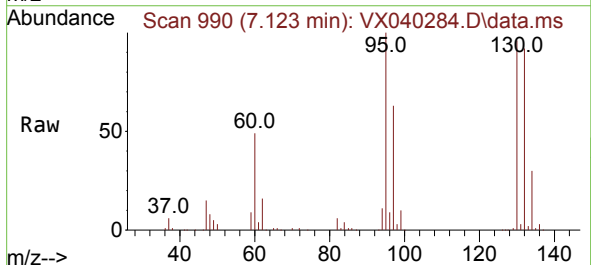
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

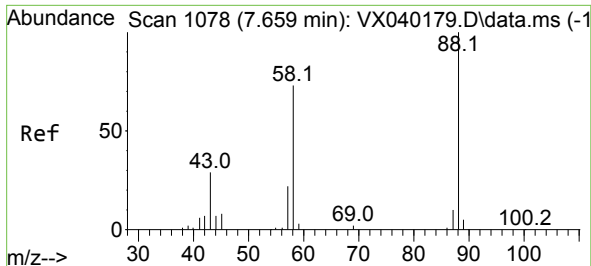
Tgt Ion: 83 Resp: 3743
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 197.8 36.7 55.1#



#44
Trichloroethene
Concen: 342.513 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion:130 Resp: 303954
Ion Ratio Lower Upper
130 100
95 104.2 0.0 204.4

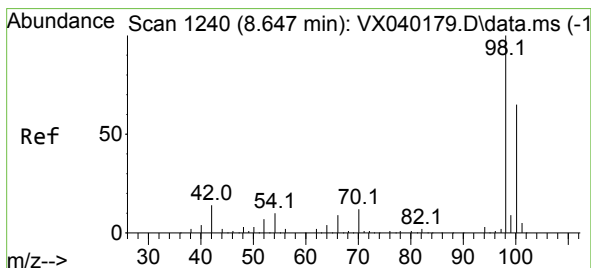
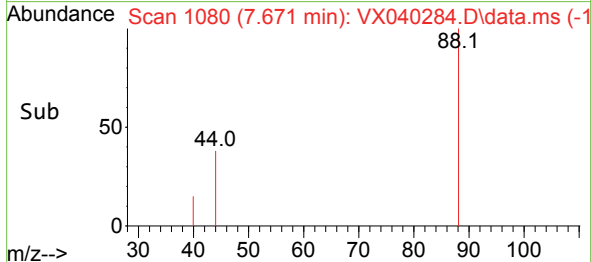
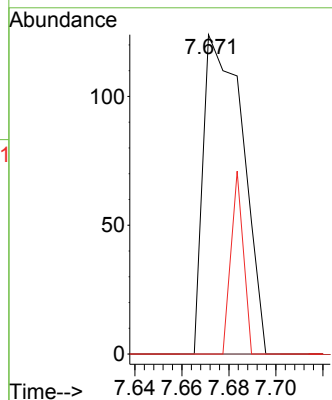
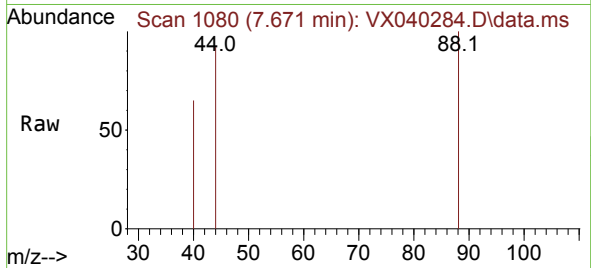




#49
1,4-Dioxane
Concen: 6.474 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

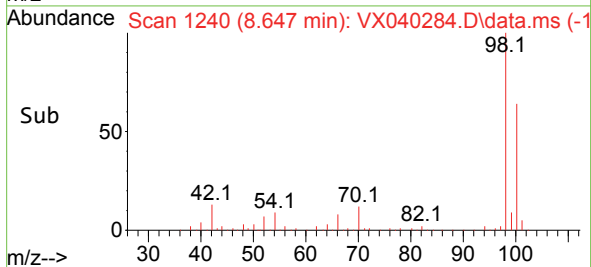
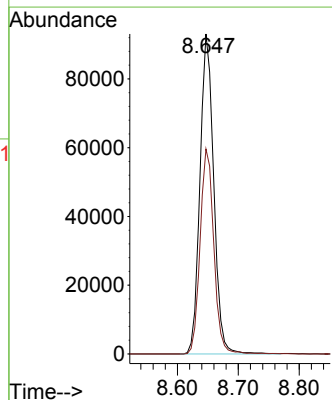
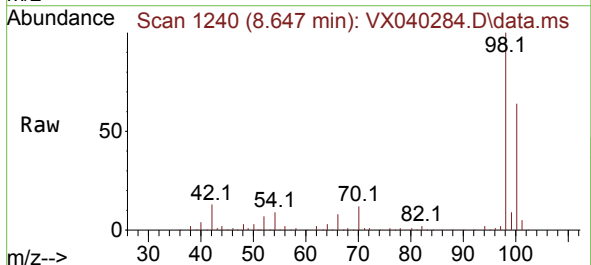
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

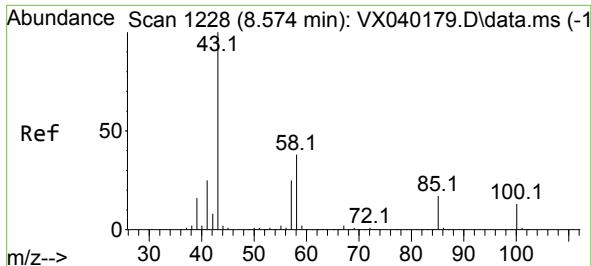
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 18.1 60.1 90.1#



#50
Toluene-d8
Concen: 47.564 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 98 Resp: 146121
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

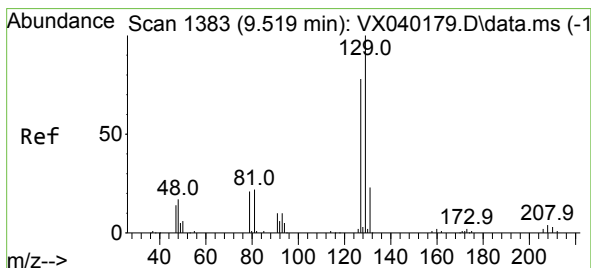
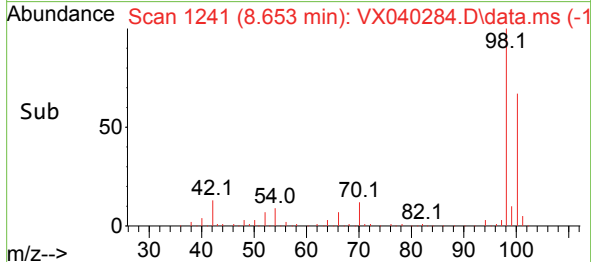
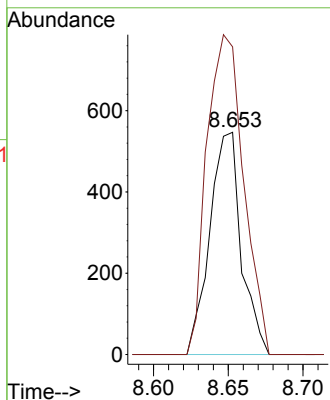
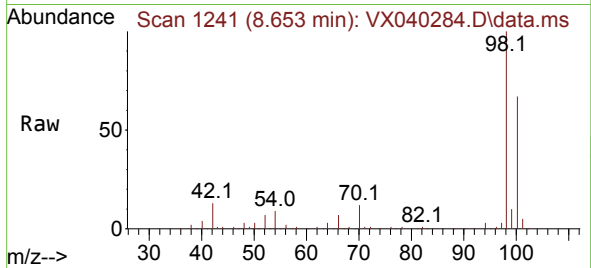




#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

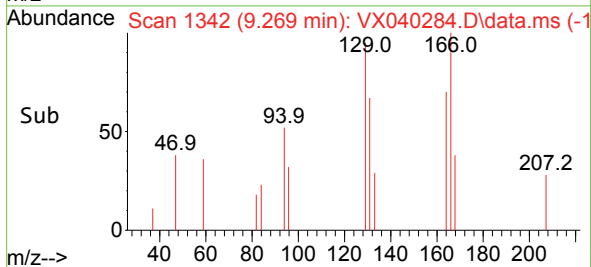
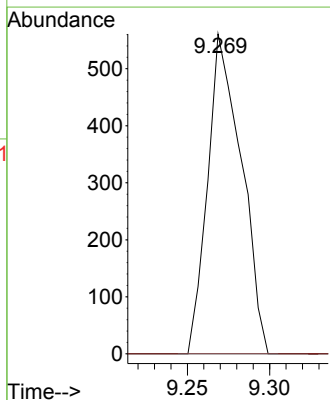
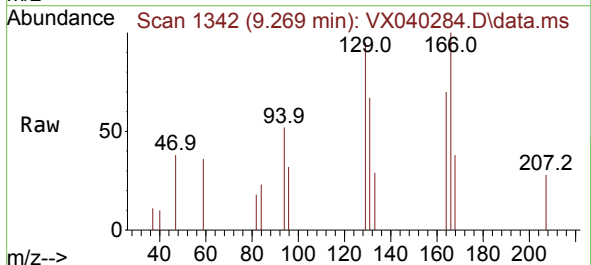
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

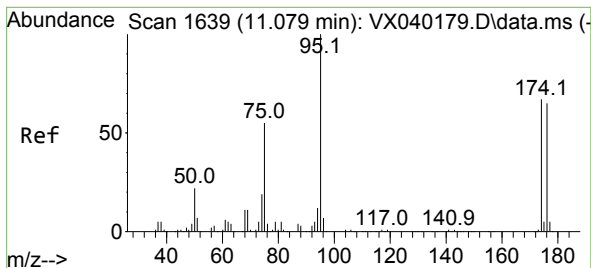
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 168.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.873 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 129 Resp: 799
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

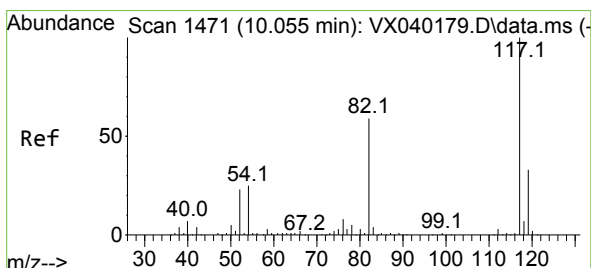
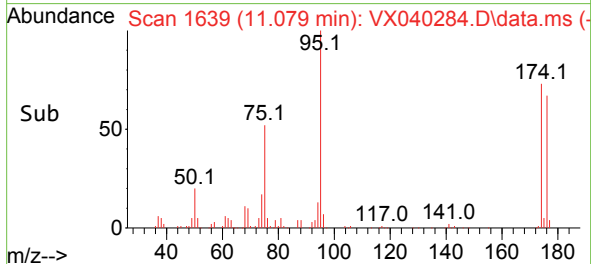
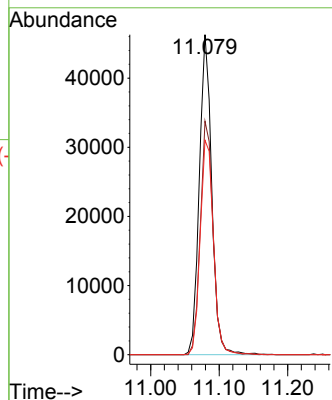
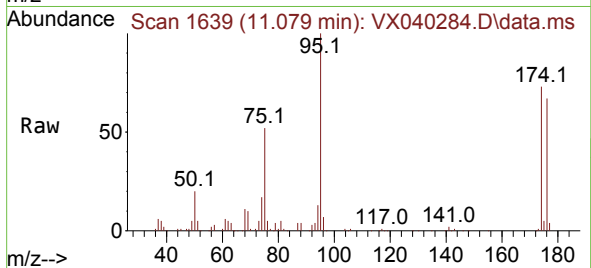




#62
4-Bromofluorobenzene
Concen: 46.638 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

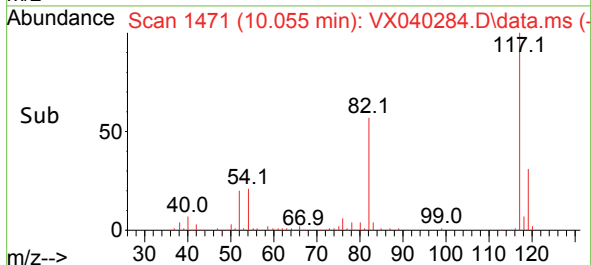
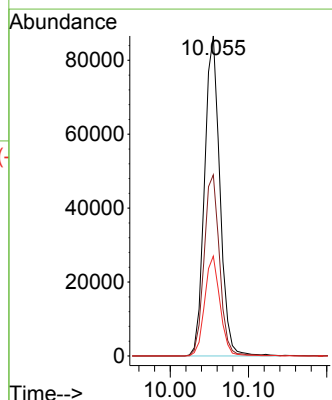
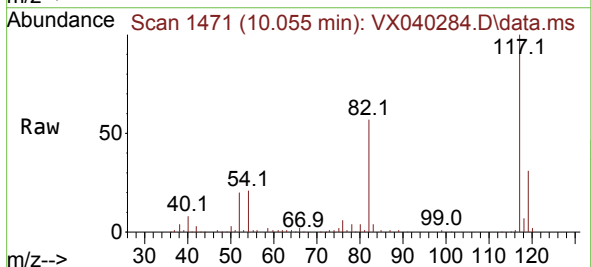
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

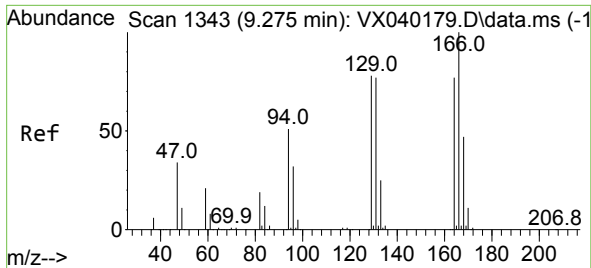
Tgt Ion: 95 Resp: 58433
Ion Ratio Lower Upper
95 100
174 75.1 0.0 135.6
176 71.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion: 117 Resp: 117731
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 31.2 25.5 38.3

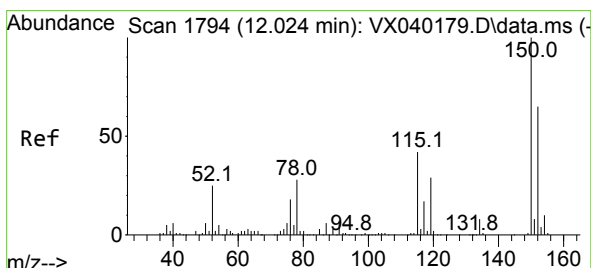
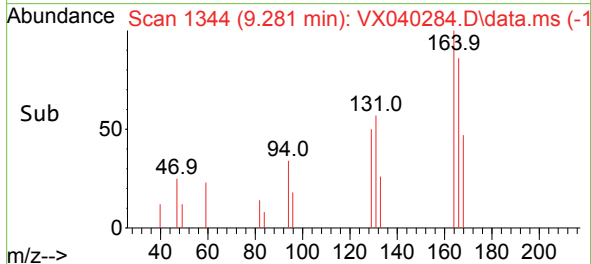
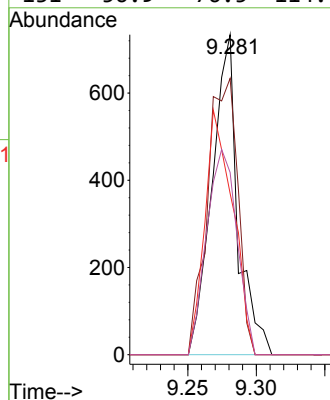
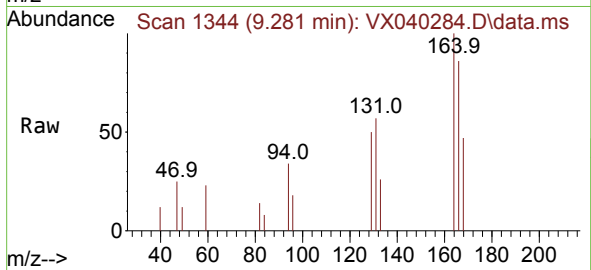




#64
Tetrachloroethene
Concen: 1.162 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

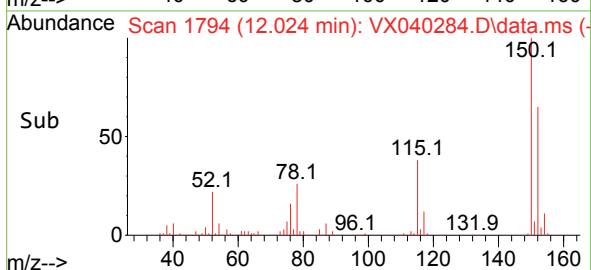
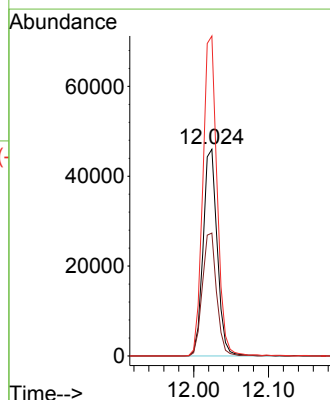
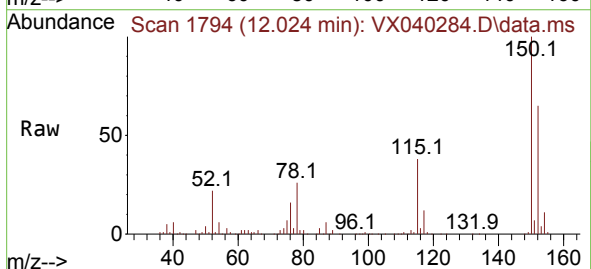
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20240215

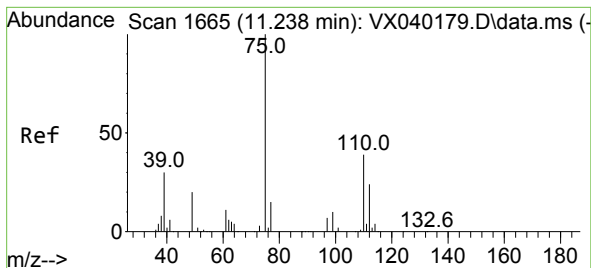
Tgt Ion:164 Resp: 959
Ion Ratio Lower Upper
164 100
166 86.4 102.7 154.1#
129 50.4 80.4 120.6#
131 56.9 76.5 114.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040284.D
Acq: 16 Feb 2024 17:25

Tgt Ion:152 Resp: 60300
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.003 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

Instrument :

MSVOA_X

ClientSampleId :

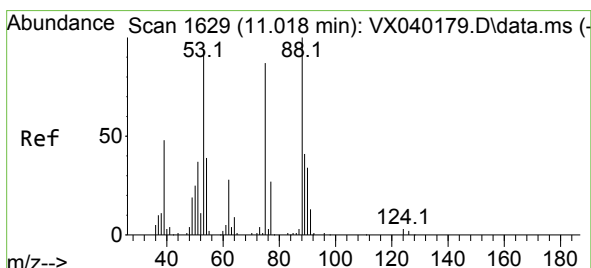
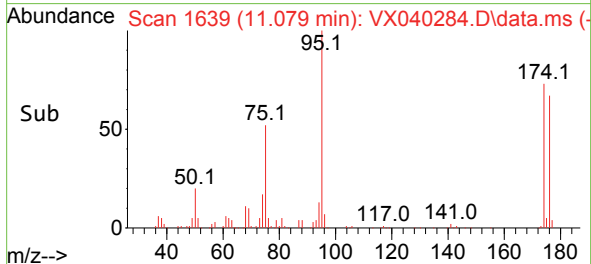
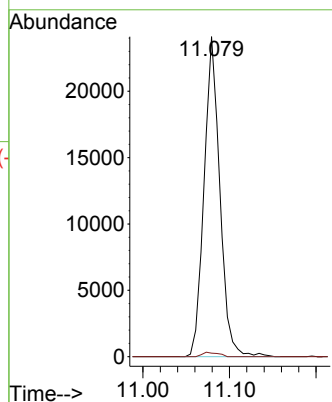
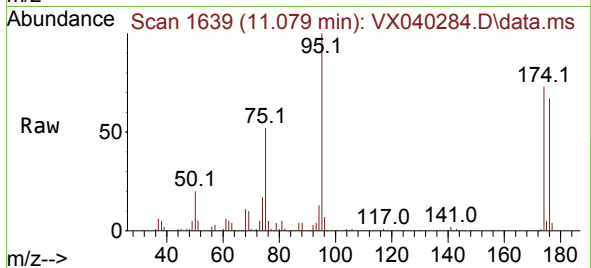
RE126D2-20240215

Tgt Ion: 75 Resp: 30531

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.776 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040284.D

Acq: 16 Feb 2024 17:25

Tgt Ion: 75 Resp: 30531

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

